

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Alaska. Agricultural experiment stations.

Report of the Alaska agricultural experiment stations. 1916 . . . Washington. 1918. 91p. plates. fold. map. tables. 23cm. [Climatological data, p. 81-91.]

Bigelow, Frank H[agar].

A treatise on the sun's radiation and other solar phenomena, in continuation of the Meteorological treatise on atmospheric circulation and radiation. 1915. New York. 1918. ix, 385 p. incl. charts. tables. 23½ cm.

Canada. Meteorological service.

Report for the year ended December 31, 1915 . . . Ottawa. 1917. xv, 686 p. incl. tables. 30 cm. At head of title: Department of marine and fisheries.

Colton, Harold Sellers.

The geography of certain ruins near the San Francisco mountains, Arizona. plates, maps (part. fold.) chart. tables. 25 cm. (From Bulletin of the Geographical society of Philadelphia. v. 16, no. 2. April, 1918. p. 1-24.) [Discusses the ruins as affording evidence of climatic oscillations.]

Flora, S[nowden] D[wight].

Some common fallacies about Kansas weather. (Excerpted from Missouri journal of education, Kansas City, Mo. vol. 2, no. 21. April 20, 1918. p. 8-11.) 30 cm.

Frazier, Rex Dunbar.

The Galveston hurricane of nineteen fifteen. cover-title, 19 p. 26 cm. (Reprinted from Stone & Webster. Public service journal, Oct. 1915.)

Great Britain. Meteorological office.

Meteorological glossary (Fourth issue) in continuation of The weather map, (M. O. 225 i.). London. 1918. 358 p. plates. charts (part. fold.) tables. 15½ cm. M. O. 225 ii.

Monthly meteorological charts of the Mediterranean basin. January-December. London. [1918] 12 charts. 44½ x 57½ cm. M. O. 224 (2d edition.)

Japan. Central meteorological observatory.

On the barometric depressions in the year 1902, 1903, 1905-1907, 1909, 1911. Tokio. 1917-18. 7 v. charts. 29½ cm. At head of title: Annual report . . . Part 2.

The cyclonic storms in the year 1912-1917. Tokio. 1918. 6 v. charts. 29½ cm. At head of title: Annual report . . . 1912-1917.

Neill, W. T.

Extracts from a paper on atmospheric refraction. [Read before the astronomical branch, Otago institute, N. Z., 26th Oct. 1915.] tables. diagrs. 30½ cm. (The astronomical journal, Albany, N. Y. vol. 31, no. 2. Nov. 26, 1918. p. 9-16.)

Smith, J[oseph] Russell.

Origin of civilization through intermittency of climatic factors. (From Bulletin of the Geographical society of Philadelphia. v. 16, no. 2. April, 1918. p. [25]-29.) 25 cm.

U. S. National advisory committee for aeronautics.

Third annual report. 1917. Washington. 1918. 495 p. plates. charts. tables. diagrs. (part. fold.) 26 cm. [Report no. 13. Meteorology and aeronautics, by W. R. Blair, p. 35-82.]

U. S. Navy dept.

A manual of aerography for the United States navy. 1918. Washington. 1918. 165 p. incl. tables. 23½ cm. "Compiled and edited under the supervision of Lieut. Commander Alexander McAdie, U. S. R. F." Bibliography, p. 163-165.

Winberg, O. F. E.

Report on freeze injury to citrus trees for 1916 and 1917, with notes on orange culture in south Alabama, by O. F. E. Winberg and G. C. Starcher, assisted by C. L. Isbell. Opelika, Ala. 1918. 26 p. illus. 2 maps. 23½ cm. At head of title: Alabama agricultural experiment station of the Alabama polytechnic institute, Auburn. Bulletin no. 199. March, 1918.

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Franklin Institute. Journal. Philadelphia. v. 185. May, 1918.

Humphreys, W[illiam] J[ackson]. Physics of the air. p. 611-647. (Continuation.)

National academy of sciences. Proceedings. Baltimore. v. 4. April, 1918.

Abbot, C[harles] G[reeley]. Terrestrial temperature and atmospheric absorption. p. 104-106.

Nature. London. v. 101. April 18, 1918.

Dale, J. B. Elliptical haloes. p. 126. [See above p. 166.]

Physical society of London. Proceedings. London. v. 30 pt. 2. February 15, 1918.

Boys, C. V[ernon]. Recording thermometer. p. 94-99.

Royal meteorological society. Quarterly journal. v. 44. April, 1918.

Lyons, H. G. Presidential address, annual general meeting. (The meteorological resources of the empire.) p. 69-89.

Bellamy, F. A. On the barometer record at the Radcliffe observatory, Oxford, with special reference to Professor Turner's suggested discontinuities. p. 91-97.

Chree, C[harles]. The diurnal variation of barometric pressure at seven British observatories, 1871-1882. A correction and some additions. p. 99-111.

Barnes, Alfred A. Diagram illustrating discontinuities in rainfall at 28 stations. p. 128-130.

Dines, J. S. The rate of ascent of pilot balloons. p. 131-133.

Brooks, C. E. P. The meteorology of Zomba, Nyassaland, 133-136.

Royal society. Proceedings. London. ser. A. v. 94. no. 660. 1918.

Aitken, John. Revolving fluid in the atmosphere. p. 250-259.

Strutt, R. J. Ultra-violet transparency of the lower atmosphere, and its relative poverty in ozone. p. 260-268.

Science. New York. v. 47. April 26, 1918.

Von Herrmann, C. F. The desiccation of the earth. p. 417. [Part played by lightning, through decomposing water vapor.]

Scientific American supplement. New York. v. 85. 1918.

Patterson, J. The energy required to produce rain. p. 279. (May 4.) [Repr. from Roy. astron. soc., Canada.]

Wood, Frank S. Long range temperature forecasts, a method of comparing weather records with a view to predicting future conditions. p. 318-320. (May 18.)

Seismological society of America. Bulletin. Stanford university. v. 8. March, 1918.

Palmer, Andrew H. California earthquakes during 1917. p. 1-12. [Compare p. 180, above.]

Mulholland, W[illiam]. Earthquakes in their relation to the Los Angeles aqueduct. p. 14-19.

Hamlin, Homer. Earthquakes in southern California. p. 20-24.

Staunton, W. F. Effects of an earthquake in a mine at Tombstone, Arizona. p. 25-27.

Wood, Harry O. The study of earthquakes in southern California. p. 29-33.

Reid, Harry Fielding. Note on the velocity of long waves and the average depth of the ocean. p. 34-37.

Symon's meteorological magazine. London. v. 53. April, 1918.

Sec. Lieut. Donald Sowerby Salter, R. G. A. March 16th. 1890-March 22, 1918. p. 25-26. [Obituary.]

Bonacina, L. C. W. Inverse weather phenomena. p. 30-32.

Académie des sciences. Comptes rendus. Paris. Tome 166. 15 avril 1918.

Perrotin, H. Sur le refroidissement nocturne des couches basses de l'atmosphère. p. 616-617.

Archives des sciences physiques et naturelles. Genève. 4^e pér. v. 45. Mars 1918.

Saussure, René de. Projet de bureau météorographique européen 2 note. p. 178-190.